

Special Issue

Space-Borne Earth Observation Data for Monitoring Natural and Anthropogenic Phenomena: A Look towards Climate Change and Advanced Processing Methods

Message from the Guest Editors

Thanks to the increasing number of space missions equipped with SAR and optical sensors and GNSS networks, EO data can be utilized to better understand several phenomena and improve our knowledge of the Earth's dynamic processes.

Therefore, we welcome studies on seismic or volcanic processes, crop production, subsoil exploitation activities, urban or coastal subsidence and landslides and avalanches, as well as papers focusing on the testing and demonstration of novel analytical methods including, but not limited to, data fusion approaches, AI, machine/deep learning and neural networks, with analysis of their performance to improve the processing and post-processing of satellite data, with reference to the combined use of multi-mission products.

Moreover, we will consider contributions focusing on phenomena in the framework of climate change. Contributions supporting both hazard assessment and risk mitigation are welcome, including papers considering wildfire detection, floods, sea level rise, glacier monitoring, plastic pollution and oil spills, coastal erosion and drying rivers and gas emission monitoring.

Guest Editors

Dr. Marco Polcari
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Deadline for manuscript submissions

closed (15 December 2024)



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Message from the Editorial Board

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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